

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((("3871840") or ("3841852"))).PN.	USPAT; USOCR	OR	OFF	2006/03/18 14:46
L2	1	(abrasive near particles) and (metal near coating) and (metal near matrix) and (resin near substrate) and (cut\$4 or grind\$3)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:47
L3	1	(abrasive near particles) and (metal near coating) and (metal near matrix) and (resin near substrate)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:49
L4	0	(reinforce\$3 near organic near resin) and (super near abrasive near particle)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:50
L5	0	(reinforce\$3 near resin) and (super near abrasive near particle)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:50
L6	652	(reinforce\$3 near resin) and (abrasive or diamond or CBN or (cubic near boron near nitride))near particle)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:51
L7	7	(reinforce\$3 near resin near substrate) and (abrasive or diamond or CBN or (cubic near boron near nitride))near particle)	US-PGPUB; USPAT	OR	ON	2006/03/18 14:52
L8	119	(resin near substrate) and ((abrasive or diamond or CBN or (cubic near boron near nitride)))near particle)	US-PGPUB; USPAT	OR	ON	2006/03/18 15:18
L9	893	(resin near substrate) and (diamond or CBN or (cubic near boron near nitride))	US-PGPUB; USPAT	OR	ON	2006/03/18 15:19
L11	893	(resin near substrate) and (diamond or CBN or (cubic near boron near nitride) near (particle or grain))	US-PGPUB; USPAT	OR	ON	2006/03/18 15:19
L13	69	(resin near substrate) and ((diamond or CBN or (cubic near boron near nitride))) near (particle or grain))	US-PGPUB; USPAT	OR	ON	2006/03/18 15:28
L14	893	(resin near substrate) and (diamond or CBN or (cubic near boron near nitride) near (particle or grain))	US-PGPUB; USPAT	OR	ON	2006/03/18 15:25
L15	7	(resin near substrate) and ((diamond or CBN or (cubic near boron near nitride))) near coated)	US-PGPUB; USPAT	OR	ON	2006/03/18 15:36
L16	1	("6162276").PN.	USPAT; USOCR	OR	OFF	2006/03/18 15:37

## EAST Search History

L17	289	"cutting tool" and (steel with resin)	US-PGPUB; USPAT	OR	ON	2006/03/18 15:38
L18	16	"cutting tool" and (steel near resin)	US-PGPUB; USPAT	OR	ON	2006/03/18 16:05
L19	2218	(428/698).CCLS.	USPAT; USOCR	OR	OFF	2006/03/18 16:06
L20	562	(BORONISINGNITRIDING BORONIT BORONITIRDE BORONITR BORONITRATE BORONITRIDE BORONITRIDED BORONITRIDES BORONITRIDE-BASED BORONITRIDE-CONTAINING BORONITRIDING BORONITRITE or DIAMO DIAMOAND DIAMOIN DIAMOINDOID DIAMOMD DIAMON DIAMONA or cbn) with partic\$	US-PGPUB; USPAT	OR	ON	2006/03/18 16:07
L21	23	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and L20 and l19	US-PGPUB; USPAT	OR	ON	2006/03/18 16:07
S1	13	("3779873") or ("4997686") or ("5024680") or ("5062865") or ("5145517") or ("5232469") or ("5391407") or ("6156390") or ("6319608") or ("6372346") or ("6540800") or ("5232469") or ("6162276") or ("5151107")).PN.	USPAT; USOCR	OR	OFF	2006/03/18 14:43
S2	188630	("428").CLAS.	USPAT; USOCR	OR	OFF	2006/03/15 20:42
S3	2807315	(Ni or nickel or co or cobalt or fe or iron or cr or chromium or w or tungsten or mo or molybdenum or carbide or boride or nitride or oxide)	US-PGPUB; USPAT	OR	ON	2006/03/15 20:57
S4	461	BORONISINGNITRIDING BORONIT BORONITIRDE BORONITR BORONITRATE BORONITRIDE BORONITRIDED BORONITRIDES BORONITRIDE-BASED BORONITRIDE-CONTAINING BORONITRIDING BORONITRITE or DIAMO DIAMOAND DIAMOIN DIAMOINDOID DIAMOMD DIAMON DIAMONA	US-PGPUB; USPAT	OR	ON	2006/03/15 21:06

## EAST Search History

S5	4335173	(Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth))	US-PGPUB; USPAT	OR	ON	2006/03/15 20:57
S6	254776	(Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$	US-PGPUB; USPAT	OR	ON	2006/03/15 21:18
S7	54223	(Ni or nickel or co or cobalt or fe or iron or cr or chromium or w or tungsten or mo or molybdenum or carbide or boride or nitride or oxide) with matrix	US-PGPUB; USPAT	OR	ON	2006/03/15 20:58
S8	438	S3 and S4 and S5	US-PGPUB; USPAT	OR	ON	2006/03/15 21:06
S9	278	S8 and partic\$ and coat\$	US-PGPUB; USPAT	OR	ON	2006/03/15 21:07
S10	100	S8 and partic\$ and coat\$ and matrix	US-PGPUB; USPAT	OR	ON	2006/03/15 21:08
S11	12	S10 and S2	US-PGPUB; USPAT	OR	ON	2006/03/15 21:00
S12	2676	BORONISINGNITRIDING BORONIT BORONITIRDE BORONITR BORONITRATE BORONITRIDE BORONITRIDED BORONITRIDES BORONITRIDE-BASED BORONITRIDE-CONTAINING BORONITRIDING BORONITRITE or DIAMO DIAMOAND DIAMON DIAMOINDOID DIAMOMD DIAMON DIAMONA or cbn	US-PGPUB; USPAT	OR	ON	2006/03/15 21:18
S13	2475	S3 and S12 and S5	US-PGPUB; USPAT	OR	ON	2006/03/15 21:06
S14	1267	S13 and partic\$ and coat\$	US-PGPUB; USPAT	OR	ON	2006/03/15 21:07
S15	495	S13 and partic\$ and coat\$ and matrix	US-PGPUB; USPAT	OR	ON	2006/03/15 21:10
S16	231	S13 and partic\$ and coat\$ and matrix and resin	US-PGPUB; USPAT	OR	ON	2006/03/15 21:10
S17	7	S13 and partic\$ and coat\$ and matrix and (resin near substrate)	US-PGPUB; USPAT	OR	ON	2006/03/15 21:13

## EAST Search History

S18	3	((("5232469") or ("6162276") or ("5151107"))).PN.	USPAT; USOCR	OR	OFF	2006/03/15 21:13
S19	561	(BORONISINGNITRIDING BORONIT BORONITIRDE BORONITR BORONITRATE BORONITRIDE BORONITRIDED BORONITRIDES BORONITRIDE-BASED BORONITRIDE-CONTAINING BORONITRIDING BORONITRITE or DIAMO DIAMOAND DIAMON DIAMOINDOID DIAMOMD DIAMON DIAMONA or cbn) with partic\$	US-PGPUB; USPAT	OR	ON	2006/03/15 21:25
S21	228	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S19	US-PGPUB; USPAT	OR	ON	2006/03/18 16:07
S22	110	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S19 and S7	US-PGPUB; USPAT	OR	ON	2006/03/15 21:20
S23	84	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S19 and S7 and substrate	US-PGPUB; USPAT	OR	ON	2006/03/15 21:21
S25	82	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S19 and S7 and substrate and abras\$	US-PGPUB; USPAT	OR	ON	2006/03/15 21:21

## EAST Search History

S26	16	(BORONISINGNITRIDING BORONIT BORONITIRDE BORONITR BORONITRATE BORONITRIDE BORONITRIDED BORONITRIDES BORONITRIDE-BASED BORONITRIDE-CONTAINING BORONITRIDING BORONITRITE or DIAMO DIAMOAND DIAMOIN DIAMOINDOID DIAMOMD DIAMON DIAMONA or cbn) with partic\$ with coat	US-PGPUB; USPAT	OR	ON	2006/03/15 21:25
S27	11	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S26	US-PGPUB; USPAT	OR	ON	2006/03/15 21:26
S28	4	((Al or aluminum si or silicon or sc or scandium or ti or titanium or v or vanadium or cr or chromium or y or yttrium or zr or zirconium or nb or niobium or mo or molybdenum or hf or hafnium or ta or tantalum or w or tungsten or re or rhenium or (rare near earth)) with coat\$) and S26 and S7	US-PGPUB; USPAT	OR	ON	2006/03/15 21:27